

STIC Search Report

STIC Database Tracking Number: 214694

TO: Examiner Harish T Dass

Location: KNX 5A74

Art Unit: 3693

Wednesday, January 10, 2007

Case Serial Number: 09/883371

From: Ginger Roberts DeMille

Location: EIC 3600

KNX 4B59 Phone: 2-3522

Ginger.demille@uspto.gov

Search Notes

Dear Examiner Dass:

Please find attached the results of your search for 09/883371.

The search was conducted using the mandatory database lists for Business Methods.

These other sources were also used: Internet, STN

If you have any questions, please do not hesitate to contact me.

Thanks for using EIC3600!

Ginger









STIC EIC 3600 Rast & Focused Search Request

Today's	Date

Class/Subclass

What date would you like to use to limit the search?

Priority Date: 6/21/2000

Other:

Name <u>Harish T. Dass</u>			
AU 36	93	Examiner # 79274	
Room # x26793 Phone x26793			
		383, 371	
Serial #	11910	002,311	

Format for Search Results (Circle One):

PAPER

DISK

(EMAIL)

Where have you searched so far?

(DWPI) (EPO) (JPO)

ACM (IBM TDB

INSPEC IEEE

Other Proquest

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC3600 and on the EIC3600 NPL Web Page at http://ptoweb/patents/stic/stic-tc3600.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Ser claim 1 (afached) only limition circulad @ & D & C)

Set a password before the transaction set (Reset) the password each time for every transaction before the transaction 56515026181Trate Phone 2-3522

STIC Searcher

Date picked up

Date Completed

1-10-2007



PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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G07F 7/10, G07C 9/00

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A1

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18 September 1996 (18.09.96)

(30) Priority Data:

08/529,405

18 September 1995 (18.09.95) US

(71) Applicant: TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE).

(72) Inventor: KHELLO, Robert; Storskiftesvägen 24, S-145 60 Norsborg (SE).

(74) Agents: BOHLIN, Björn et al.; Telefonaktiebolaget LM Ericsson, Patent and Trademark Dept., S-126 25 Stockholm (SE).

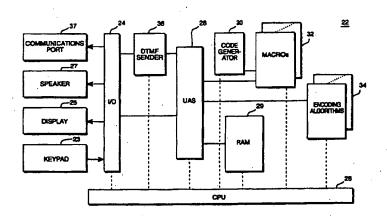
(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: METHOD AND APPARATUS FOR USER AUTHENTICATION



(57) Abstract

A user authentication service is disclosed which is both highly secure and user friendly. To access a particular service, a user simply enters a personal identification type number (PIN) using a portable terminal devices which encodes the PIN. More specifically, a character position of the user's PIN is determined, and a random code having a length selectable at each service transaction by the user is generated. The user's PIN is encrypted using one of plural available, pseudo-randomly encrypting algorithms to provide an encrypted PIN. The encrypted PIN is then combined with the code at the determined position before being transmitted over a communications network. When received, the encoded PIN is decoded using an analogous procedure to determine if the user is authorized. A plurality of security levels are provided with each level having a plurality of encryption algorithms and with each increasing level providing encryption algorithms of increasing complexity and sophistication. A user may also change a current PIN from the portable device easily and securely without having to contact a service center.

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         2:INSPEC 1898-2007/Dec w3
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            (c) 2006 CSA.
        56:Computer and Information Systems Abstracts 1966-2006/Dec
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                 UTION)
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 2/3, K/1
                 (Item 1 from file: 2)
DIALOG(R)File
                     2:INSPEC
(c) 2007 Institution of Electrical Engineers. All rts. reserv.
              INSPEC Abstract Number: C2003-05-7210N-080
 Title: Mining Web log data based on key path
  Author(s): Ai-Bo Song; Zuo-Peng Liang; Mao-Xian Zhao; Yi-Sheng Dong Author Affiliation: Dept. of Comput. Sci. & Eng., Southeast Univ.,
Nanjing, China
   Conference Title: Proceedings of 2002 International Conference on Machine
Learning and Cybernetics (Cat.No.02EX583)
                                                            Part vol.1
                                                                               p.150-5 vol.1
   Publisher: IEEE, Piscataway, NJ, USA
   Publication Date: 2002 Country of Publication: USA
                                                                              4 vol. (x+iv+2255)
  ISBN: 0 7803 7508 4 Material Identity Number: XX-2002-03963 U.S. Copyright Clearance Center Code: 0-7803-7508-4/02/$17.00 Conference Title: Proceedings of 2002 International Conference on Machine
Learning and Cybernetics
   Conference Sponsor: Hebei Univ.; IEEE Syst., Man & Cybernetics Tech.
Committe on Cybernetics
   Conference Date: 4-5 Nov. 2002 Conference Location: Beijing, China
  Language: English
Subfile: C
   Copyright 2003, IEE
...Abstract: key path in the MPKS, this algorithm can find out all transactions relevant to it. After scanning the transaction database only once, a relevant matrix is set up, where the key paths in MKPS are taken as columns and the transactions are taken as rows. Compared...
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2/3,K/2 (Item 2 from file: 2)

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File 349:PCT FULLTEXT 1979-2006/UB=20070104UT=20061228 (c) 2007 WIPO/Thomson
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S5
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                   S3 AND AC=US(S)AY=(1963:2001)/PR
             72
                  S3 AND PY=1963:2001
S6
s7
            171
                  S2 NOT S3
S7 NOT PY>2001
s8
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S9
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                  RD
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S10
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                 (Item 1 from file: 348)
DIALOG(R) File 348: EUROPEAN PATENTS
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Ginger R. DeMille

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               (c) 2007 The Gale Group
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   File 160: Gale Group PROMT(R) 1972-1989
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   File 275:Gale Group Computer DB(TM) 1983-2007/Jan 05
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  File 634:San Jose Mercury Jun 1985-2007/Jan 09
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             (c) 1999 PR Newswire Association Inc
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         13:BAMP 2007/Dec W4
 (c) 2007 The Gale Group
File 75:TGG Management Contents(R) 86-2007/Dec W5
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File 95:TEME-Technology & Management 1989-2007/Jan W1
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 File 348: EUROPEAN PATENTS 1978-2006/ 200701
            (c) 2007 European Patent Office
 File 349:PCT FULLTEXT 1979-2006/UB=20070104UT=20061228
            (c) 2007 WIPO/Thomson
 Set
           Items
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                 OR (PASS OR SECRET OR ACCESS OR SECURITY OR ENCRYPT? OR SCRAM-
                 BL?)(3N)(WORD? ? OR CODE? ? OR KEY? ? OR PHRASE OR NUMBER? ?)
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                OR SALE OR SETTLEMENT OR SETTLING OR SOLD OR CLICK? ? OR EXEC-
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S4
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$3 AND AC=US($)AY=(1963:2001)/PR
              57
S 5
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                    S3 AND PY=1963:2001
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                    S2 NOT S3
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      S10
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File 15:ABI/Inform(R) 1971-2007/Jan 09
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NTERVIEW

are focused on making computers do more a few of us are focused on technolog computers will not do; such as invade your David Chaum

DAVID CHAUM ON ELECTRONIC COMMERCE How Much Do You Trust Big Brother?







 $\sim\sim\sim\sim$

bout 20 years ago David Chaum had a vision of the future of information technology that changed his life. At the time Chaum as studying for his doctorate in computer science at the University of California, Berkeley, where he was working on cryptographic protocols for establishing trust between mutually untrusting parties. Chaum intuitively "got" where the Internet was taking us, and began to think about models that would make electronic commerce feasible. What eventually resulted was a new method for making electronic transactions untraceable, Chaum's blind signature protocol. Applied to an online payment transaction, this new protocol assured a bank or merchant that payments were not forged, while also assuring users that information about them and their purchases could not be traced.

Sound good? Well, there's a little matter that it would lead to a paradigm shift from the way electronic transactions are handled in our society, where credit card use predominates. But still—aren't you worried that your privacy will become illusory as information goes increasingly online: that you may be forced to trade some rights and some independence for the efficiencies and miracles of the digital age?

Chaum has spent his professional life in creative confrontation with this issue. After teaching at New York University and the University of



ELECTRONIC PAYMENTS

In your pocket sm

smartcards

The worldwide boom in smartcard deployment is accelerating their evolution

ake a look in your wallet and what do you find? In all likelihood, bills and coins. A variety of credit cards. A driver's license. A transit pass. A voter registration card. A library card. A video rental card. Insurance cards. Frequent flyer and car rental cards. A telephone charge card.

By the end of the century, all of these documents might be replaced by just two or three smartcards. Because they can store and protect relatively large amounts of data, smartcards are being used in a number of ways around the world, replacing a wallet's contents bit by bit. Stored-value cards were in place last year in Atlanta, Ga., at Olympic venues standing in for coins and bills. A health card identifying the holder's insurance provider and account number has been issued to every citizen of Germany, and plans are in place to add such medical information as the name of the holder's doctor, blood type, allergic reactions, medications, next of kin, and instructions in case of emergency. Smart social security cards in Spain interface with a kiosk system that can provide updated information on benefits and eligibility, as well as pertinent job opportunities.

Today, most smartcards handle a single application, but will realize their true value when a single card can address multiple applications. For example, a credit card could have a stored-value function for small purchases, in

CAROL HOVENGA FANCHER, Motorola Inc.